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Douglas R. Spencer

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OCCURRENCE OF *ULULODES QUADRIMACULATA*
(NEUROPTERA: ASCALAPHIDAE) IN MICHIGANDouglas R. Spencer¹

ABSTRACT

The first published record of the owlfly, *Ululodes quadrimaculata* from Michigan is reported. Other verified distribution records from Michigan are listed along with published accounts of the species in the Great Lakes region.

The owlflies (Ascalaphidae) represent an interesting and rarely collected insect group in the northern United States. They are characterized as having long, knobbed antennae as in the Rhopalocera Lepidoptera, and with a body and wing structure resembling certain Odonata.

On 18 July 1987, I collected a single male specimen of *Ululodes quadrimaculata* (Say) at UV light at 240 Bull Run Road, south of Fowlerville, Livingston County, Michigan. This area is located near the middle branch of the Red Cedar River which has extensive wetlands adjacent to wooded upland and field biomes. Subsequent collecting at this locality has not produced additional specimens.

I examined the entomological collections at the University of Michigan (UM) and Michigan State University (MSU) for additional specimens of *U. quadrimaculata*. Only two specimens were found: MICHIGAN: Kalamazoo Co., Gull Lake Biological Station., 11 July 1961, Coll: Roland L. Fischer. (MSU); Washtenaw Co., University of Michigan Botanical Gardens, 1 August 1967, Coll: Tim Newcomb. (UMMZ)

Shetlar (1977) listed several additional counties in Michigan where *U. quadrimaculata* had been collected: Barry, Berrien, Ottawa, and Wexford. Specimens from these areas could not be verified, and are presumed lost.

Other published reports of this species from the Great Lakes region include Indiana (Lawson and McCafferty 1984) and Ontario (Garland and Marshall 1980). This report is the first published record of Ascalaphidae from Michigan. The specimen of *U. quadrimaculata* from Livingston County is deposited in my collection.

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¹240 Bull Run Road, Fowlerville, MI 48836.

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